

Dr. Duke's Phytochemical and Ethnobotanical Database

Chemicals Found in *Hyacinthus orientalis*

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	1,2,4-TRIMETHOXYBENZENE	Flower	5	69		
0	1,2-DIMETHOXY-BENZENE	Flower	0.032	0.46		
0	1,4-DIMETHOXY-BENZENE	Flower	0.32	4.6		
0	1-OCTEN-3-OL	Flower	1	16	-1.3450603254694355	
0	2-METHOXY-METHYL-BENZOATE	Flower	0.16	2.3		
0	2-METHOXYBENZYL-ACETATE	Flower	0.032	0.46		
0	2-METHOXYETHYL-ACETATE	Flower	0.032	0.46		
0	6,10,14-TRIMETHYL-PENTADECAN-2-ONE	Flower	0.16	2.3		
0	ALPHA-FARNESENE	Flower	0.16	2.3	-0.9999999999999997	
24	BENZALDEHYDE	Flower	0.16	2.3	-1.0000000000000002	
20	BENZOIC-ACID	Flower	--	--		
9	BENZYL-ACETATE	Flower	--	--		
9	BENZYL-ALCOHOL	Flower	64	920	2.0468130515884493	
17	BENZYL-BENZOATE	Flower	10	138	-0.4207063568041429	
1	BENZYL-FORMATE	Flower	0.08	1.15		
2	BENZYL-SALICYLATE	Flower	0.32	4.6	-0.6731363572145393	
0	BENZYL-TIGLATE	Flower	0.048	0.69		
60	CINNAMALDEHYDE	Flower	0.48	6.9	1.0000000000000002	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
3	CINNAMYL-ACETATE	Flower	1	16		
6	CINNAMYL-ALCOHOL	Flower	--	--		
1	CIS-3-HEXENOL	Flower	0.032	0.46	-1	
0	CIS-3-HEXENYL-ACETATE	Flower	0.016	0.23	-1	
0	CIS-CINNAMYL-ALCOHOL	Flower	0.32	4.6		
3	CIS-OCIMENE	Flower	0.016	0.23		
0	CYANIDIN-3,5-GLUCOSIDE	Flower	--	--		
0	DELPHINIDIN-3,5-GLUCOSIDE	Flower	--	--		
0	DIMETHYL-ANTHRANILATE	Flower	--	--		
0	EO	Flower	160	2300	-0.346750299651172	
1	ETHYL-BENZOATE	Flower	0.032	0.46		
4	ETHYL-SALICYLATE	Flower	0.032	0.46		
76	EUGENOL	Flower	0.32	4.6	-0.38245949222808684	
35	GERANIOL	Flower	0.048	0.69	-0.5155613303828618	
0	HEPTANAL-DIETHYL-ACETATE	Flower	0.016	0.23		
0	HEPTANOL	Flower	0.016	0.23		
3	HEXANOL	Flower	0.032	0.46	-1	
32	HYDROQUINONE	Flower	--	--		
1	HYDROQUINONE-DIMETHYL-ETHER	Flower	--	--		

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
15	INDOLE	Flower	0.24	3.45	-0.6685210648469901	
0	LINALOL	Flower	0.032	0.46	-0.3901353778588428	
4	METHYL-BENZOATE	Flower	0.048	0.69	0.15355899757515004	
0	METHYL-BENZYL-ETHER	Flower	0.016	0.23		
6	METHYL-CHAVICOL	Flower	0.032	0.46		
20	METHYL-EUGENOL	Flower	2	34	-1	
0	METHYL-N-METHYL-ANTHRANILATE	Flower	1	7		
0	METHYL-O-METHOXY-BENZOATE(?)	Flower	--	--		
21	METHYL-SALICYLATE	Flower	0.16	2.3	-0.6204257287373236	
0	METHYL-VERATRATE	Flower	0.016	0.23		
22	MYRCENE	Flower	0.016	0.23	-0.9055293093578053	
0	N-HEPTALDEHYDE(?)	Flower	--	--		
1	N-HEPTANAL	Flower	0.032	0.46		
0	N-HEPTANOL	Essential Oil	--	--		
0	P-METHOXY-ACETOPHENONE	Flower	0.16	2.3		
0	P-METHOXY-PHENYL-ETHYL-ACETATE	Flower	0.48	6.9		
0	P.METHOXYPHENYLPROPYL-ALCOHOL	Flower	0.032	0.46		
0	PELARGONIDIN-3,5-GLUCOSIDE	Flower	--	--		
0	PHENYL-ETHYL-ALCOHOL	Flower	6	85	0.0423412338283523	

Activity Count	Chemical	Plant Part	Low PPM	High PPM	StdDev	Reference Citation
0	PHENYLEHTYL-BENZOATE	Flower	2	28		
0	PHENYLETHYL-SALICYLATE	Flower	0.064	0.92		
0	PHENYLPROPYL-ACETATE	Flower	0.08	1.15		
0	PHENYLPROPYL-ALCOHOL	Flower	1	18		
0	SAPONIN	Seed	--	--		
0	SAPONIN	Twig	--	--		
0	TRANS-ALPHA-FARNESENE	Flower	1	14		
0	TRANS-CINNAMYL-ALCOHOL	Flower	18	253		
0	TRANS-OCIMENE	Flower	0.032	0.46		
0	TRIMETHOXYMETHYL-BENZOATE	Flower	32	460		
0	UNDECANONE	Flower	0.064	0.92		
0	VERATRYL-ACETATE	Flower	0.048	0.69		